

## EDU2011 Application Requirements:

*Applicant Wireless Program.* On the date the *Sixth Report and Order* was adopted (September 23, 2010) eligible applicants already should have implemented or begun the process of implementing [3] a program to provide off-premise connectivity to students or library patrons through the use of portable wireless devices.

*Application Length.* Applications shall be no longer than 20 pages including any exhibits. Any relevant technology planning documents (*see* number 8, below), however, do not count toward the 20 page limit. The Commission will not review any application that is greater than 20 pages in length.

*Required Information (all applicants).* The application must contain the following information for all applicants:

Name – Thomas O’Brien

Organization – Stoughton Area School District

Address – 320 North Street, Stoughton, WI, 53589

Email – Thomas.o'brien@stoughton.k12.wi.us

(1) a full description of the current or planned Applicant Wireless Program, including but not limited to:

1. the nature of the Applicant Wireless Program, including the extent to which the use of connectivity is interactive and utilizes the Internet,
2. how long the Applicant Wireless Program has been in operation and the mobile wireless device(s) being used,
3. a description of any technical issues associated with implementing the Applicant Wireless Program, including an analysis of any problems with the availability of wireless access to students or patrons off the school or library premises and how those issues are being or will be addressed by the school or library,
4. what training has been or will be provided to teachers, librarians, students or parents to implement the Applicant Wireless Program, and
5. the extent to which the Applicant Wireless Program is integrated with federal, Tribal, state, regional or local governmental or non-profit initiatives to achieve educational or community access outcomes;

*To prepare all students for the 21<sup>st</sup> century global economic, it is essential that all students understand and learn how to maximize the potential of electronic devices. One of the goals of Stoughton Area School District (SASD) is to provide electronic learning opportunities for all students. In 1996, the SASD, local hospital, nursing home, city offices, private schools, and public libraries join together to provide fiber network between all locations. The group’s goal was to provide better means of communication in which the district and communication would be able to help students improve academic achievement. District computer were located in the public library, youth center, and both nursing facilities.*

*Over the last two years, SASD has been implementing a wireless access district-wide. The district has been providing each build with several sets of computers on wheels (COWs),*

wireless printer, and wireless projectors. The parent teacher organization Working For Students (WFS) has been purchasing wireless projectors and Smartboards for each classroom to help offset district cost. These wireless tools are helping the teachers to be more flexible with the design and implementation of engaging activities.

In the spring of 2010, SASD successfully passed a Core Infrastructure/Unified Communications System referendum. The passage of the referendum has giving the district the ability to update the current core infrastructure and complete the wireless system throughout the entire school district. Because of the large land area the district covers and the land topography, there are groups of residences of the SASD which are unable to receive Internet access through telephone, dish, or cell Internet Services. Reviewing data for the last several years has shown the SASD enrollment is declining, our low social economic levels are rising, and more students do not have access to the Internet at their homes. Many of the social economic families also need to care for younger siblings and does restrict their ability to access local libraries. In addition, technology devices are become smaller and mobile. Students want to be engaged more and have the opportunity to learn when they have the desire and need to understand.

With 14 years of experience working together to provide support of the fiber Community Area Network, the Stoughton learning community has worked very well together. The group grasps the importance of teamwork to achieve the common goal, providing better electronic communications, and helping prepare student for the 21<sup>st</sup> century global economy.

SASD's Board of Education has begun the process of developing a strategic plan in which the district would enlist input for all stakeholders. The Strategic Plan would provide the opportunity for the district to better understand how the district can continue to reach out to the community to provide services and educational opportunities to meet the communities' educational needs.

The district is also working on its Information, Literacy, and Technology (IL&T) Plan this year. Some of the needs identified are access to electronic resources through mobile devices and the need to for technology initiatives to align the districts strategic plan, curriculum and instruction philosophy, and integrated comprehensive services plan. The development of the new IL&T plan outlines the high quality professional development and other training opportunities that will reach out to all stakeholders.

To meet the need of low social economic groups, SASD plans to us the model established at Rhode Island. Upon the completion of the wireless project and working with local foundation, SASD would provide an opportunity for the community to purchase mobile technology devices which would connect to the wireless network. A five week mandatory training course would follow educating all how the device would work. Upon completion of the five week course, the mobile technology device would be given to the family for a small fee (I.e. \$50). All students everywhere throughout the district would have the capability to connect the network, access necessary resources for learning and work. All students will have the ability to learn anytime, anyplace, anywhere.

(2) the poverty level based on the percentage of students eligible for a free or reduced-price lunch under the national school lunch program (NSLP) or a federally approved alternative mechanism, and the current discount rate of the school or library;

*Our current reimbursement rate is 43%*

(3) the financial need of the school or library, including any additional budgetary hardships, notwithstanding the school or library's current discount rate;

*The community of the Stoughton Area School District has made a large financial commitment toward the success of this program by passing the spring 2010 referendum which provided over \$700,000 for a replacement of the CAN Core Infrastructure. The original community leaders organization, who established the fiber infrastructure 14 years early, are currently meeting to determine gather the details and financial commitment necessary to complete a wireless project district-wide.*

(4) all costs, including those eligible for E-rate support and those not eligible for E-rate support, associated with implementing the Applicant Wireless Program, including but not limited to costs for equipment such as e-readers or laptops, access and connection charges, teacher training, librarian training, or student/parent training;

*The next 5 pages are the parts required to complete the school district internal wireless infrastructure. The community organization is still in the meeting stages to develop the long-range plan and equipment needs.*

Quote No:

Project Name: SASD  
 Created On: 15 Dec 2010  
 Expiration Date: 30 Dec 2010  
 Created with Library: 12.5.676  
 Library Creation Date: 11 Nov 2010  
 All Prices Are In: US Dollar  
 Price List Used:  
 Cisco - Global Price List US Availability(Online)

Catalog number	Name	Vendor	Description	Unit Price	Discount %	Final Price	Qty	Total Price
<b>Infrastructure\High School</b>								
CISCO2921K9	CISCO2921K9	Cisco	Cisco 2921 w3 GE, 4 EHWIC, 3 DSP, 1 SM, 256MB CF, 512MB DRAM, IPB	3,695.00	0.00	3,695.00	1	3,695.00
ISR-CCP-EXP	ISR-CCP-EXP	Cisco	Cisco Config Pro Express on Router Flash	Included	0.00	0.00	1	0.00
MEM-2900-512MB-DEF	MEM-2900-512MB-DEF	Cisco	512MB DRAM for Cisco 2901-2921 ISR (Default)	Included	0.00	0.00	1	0.00
MEM-CF-256MB	MEM-CF-256MB	Cisco	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	Included	0.00	0.00	1	0.00
PWR-2921-51-AC	PWR-2921-51-AC	Cisco	Cisco 2921/2951 AC Power Supply	Included	0.00	0.00	1	0.00
S29UK9-15001M	S29UK9-15001M	Cisco	Cisco 2901-2921 IOS UNIVERSAL	Included	0.00	0.00	1	0.00
SL-29-IPB-K9	SL-29-IPB-K9	Cisco	IP Base License for Cisco 2901-2951	Included	0.00	0.00	1	0.00
CAB-AC	CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	0.00	0.00	0.00	1	0.00
CON-SNT-2921	CON-SNT-2921	Cisco	SMARTNET 8X5XNBD Cisco 2921	550.00	0.00	550.00	1	550.00
FL-CME-SRST-100	FL-CME-SRST-100	Cisco	Cisco Communication Manager or SRST- 100 seat license	2,000.00	0.00	2,000.00	1	2,000.00
FL-SRST	FL-SRST	Cisco	Cisco Survivable Remote Site Telephony License	0.00	0.00	0.00	1	0.00
PVDM3-64	PVDM3-64	Cisco	64-channel high-density voice and video DSP module	3,200.00	0.00	3,200.00	2	6,400.00
SL-29-UC-K9	SL-29-UC-K9	Cisco	Unified Communication License for Cisco 2901-2951	700.00	0.00	700.00	1	700.00
VIC2-4FXO	VIC2-4FXO	Cisco	Four-port Voice Interface Card - FXO (Universal)	800.00	0.00	800.00	1	800.00
VIC3-4FXS/DID	VIC3-4FXS/DID	Cisco	Four-Port Voice Interface Card - FXS and DID	800.00	0.00	800.00	2	1,600.00
VVIC2-2MFT-T1/E1	VVIC2-2MFT-T1/E1	Cisco	2-Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	2,000.00	0.00	2,000.00	1	2,000.00
WS-C4510RE-S7+96V+	WS-C4510RE-S7+96V+	Cisco	4510R+E Chassis, Two WS-X4748-RJ45V+E, Sup7-E	33,000.00	0.00	33,000.00	1	33,000.00
FR45-ISSU-POE-LIC	FR45-ISSU-POE-LIC	Cisco	Cat4500 ISSU PoE promo. license needs dual sup+48PoEports	Included	0.00	0.00	1	0.00
WS-X45-SUP7-E	WS-X45-SUP7-E	Cisco	Catalyst 4500 E-Series Supervisor, 848Gbps	Included	0.00	0.00	1	0.00
WS-X4748-RJ45V+E	WS-X4748-RJ45V+E	Cisco	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	Included	0.00	0.00	2	0.00
C4500E-LB-ES	C4500E-LB-ES	Cisco	Lan Base to Enterprise Services paper license	19,995.00	0.00	19,995.00	1	19,995.00
CAB-AC-2800W-TWLK	CAB-AC-2800W-TWLK	Cisco	U.S. Power Cord, Twist Lock, NEMA 6-20 Plug	0.00	0.00	0.00	4	0.00
CON-SNT-4510RES7	CON-SNT-4510RES7	Cisco	SMARTNET 8X5XNBD 4510R+E Chassis, Two WS-X4748-RJ45V+E	2,706.00	0.00	2,706.00	1	2,706.00
GLC-SX-MM	GLC-SX-MM	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	3	1,500.00
PWR-C45-6000ACV	PWR-C45-6000ACV	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
PWR-C45-6000ACV/2	PWR-C45-6000ACV/2	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
S45UK9-31-01XO	S45UK9-31-01XO	Cisco	CAT4500e SUP7e Universal Crypto Image	0.00	0.00	0.00	1	0.00
SFP-10G-SR	SFP-10G-SR	Cisco	10GBASE-SR SFP Module	1,495.00	0.00	1,495.00	9	13,455.00
SFP-H10GB-CU5M	SFP-H10GB-CU5M	Cisco	10GBASE-CU SFP+ Cable 5 Meter	260.00	0.00	260.00	1	260.00
WS-X45-SUP7-E/2	WS-X45-SUP7-E/2	Cisco	Catalyst 4500 E-Series Supervisor, 848Gbps	19,995.00	0.00	19,995.00	1	19,995.00
WS-X4548-GB-RJ45	WS-X4548-GB-RJ45	Cisco	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)	5,495.00	0.00	5,495.00	1	5,495.00
WS-X4712-SFP+E	WS-X4712-SFP+E	Cisco	Catalyst 4500 E-Series 12-Port 10GbE (SFP+)	26,995.00	0.00	26,995.00	1	26,995.00
WS-X4748-RJ45V+E	WS-X4748-RJ45V+E	Cisco	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	8,995.00	0.00	8,995.00	1	8,995.00
WS-C4510RE-S7+96V+	WS-C4510RE-S7+96V+	Cisco	4510R+E Chassis, Two WS-X4748-RJ45V+E, Sup7-E	33,000.00	0.00	33,000.00	1	33,000.00
FR45-ISSU-POE-LIC	FR45-ISSU-POE-LIC	Cisco	Cat4500 ISSU PoE promo. license needs dual sup+48PoEports	Included	0.00	0.00	1	0.00
WS-X45-SUP7-E	WS-X45-SUP7-E	Cisco	Catalyst 4500 E-Series Supervisor, 848Gbps	Included	0.00	0.00	1	0.00
WS-X4748-RJ45V+E	WS-X4748-RJ45V+E	Cisco	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	Included	0.00	0.00	2	0.00
C4500E-LB-ES	C4500E-LB-ES	Cisco	Lan Base to Enterprise Services paper license	19,995.00	0.00	19,995.00	1	19,995.00
CAB-AC-2800W-TWLK	CAB-AC-2800W-TWLK	Cisco	U.S. Power Cord, Twist Lock, NEMA 6-20 Plug	0.00	0.00	0.00	4	0.00
CON-SNT-4510RES7	CON-SNT-4510RES7	Cisco	SMARTNET 8X5XNBD 4510R+E Chassis, Two WS-X4748-RJ45V+E	2,706.00	0.00	2,706.00	1	2,706.00
GLC-SX-MM	GLC-SX-MM	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	3	1,500.00
PWR-C45-6000ACV	PWR-C45-6000ACV	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
PWR-C45-6000ACV/2	PWR-C45-6000ACV/2	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
S45UK9-31-01XO	S45UK9-31-01XO	Cisco	CAT4500e SUP7e Universal Crypto Image	0.00	0.00	0.00	1	0.00
SFP-10G-SR	SFP-10G-SR	Cisco	10GBASE-SR SFP Module	1,495.00	0.00	1,495.00	9	13,455.00
SFP-H10GB-CU5M	SFP-H10GB-CU5M	Cisco	10GBASE-CU SFP+ Cable 5 Meter	260.00	0.00	260.00	1	260.00
WS-X45-SUP7-E/2	WS-X45-SUP7-E/2	Cisco	Catalyst 4500 E-Series Supervisor, 848Gbps	19,995.00	0.00	19,995.00	1	19,995.00
WS-X4548-GB-RJ45	WS-X4548-GB-RJ45	Cisco	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)	5,495.00	0.00	5,495.00	1	5,495.00
WS-X4712-SFP+E	WS-X4712-SFP+E	Cisco	Catalyst 4500 E-Series 12-Port 10GbE (SFP+)	26,995.00	0.00	26,995.00	1	26,995.00
WS-X4748-RJ45V+E	WS-X4748-RJ45V+E	Cisco	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	8,995.00	0.00	8,995.00	1	8,995.00
							WS-C4510RE-S7+96V+	140,386.00
							Infrastructure\High School	298,517.00
<b>Infrastructure\High School\Data Closet A</b>								
WS-C4510RE-S6-96V+	WS-C4510RE-S6-96V+	Cisco	4510-E Chassis, Two WS-X4648-RJ45V+E, Sup6-E	30,000.00	0.00	30,000.00	1	30,000.00
CVR-X2-SFP	CVR-X2-SFP	Cisco	Cisco TwinGig Converter Module	Included	0.00	0.00	4	0.00

FR45-ISSU-POE-LIC		FR45-ISSU-POE-LIC	Cisco	Cat4500 ISSU PoE promo. license needs dual sup+48PoEports	Included	0.00	0.00	1	0.00
WS-X45-SUP6-E		WS-X45-SUP6-E	Cisco	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/ Twin Gig	Included	0.00	0.00	1	0.00
WS-X4648-RJ45V+E		WS-X4648-RJ45V+E	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	Included	0.00	0.00	2	0.00
CAB-AC-2800W-TWLK		CAB-AC-2800W-TWLK	Cisco	U.S. Power Cord, Twist Lock, NEMA 6-20 Plug	0.00	0.00	0.00	4	0.00
PWR-C45-6000ACV		PWR-C45-6000ACV	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
PWR-C45-6000ACV/2		PWR-C45-6000ACV/2	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
S45EESK9-12253SG		S45EESK9-12253SG	Cisco	Cisco CAT4500E IOS ENTERPRISE SERVICES SSH	9,995.00	0.00	9,995.00	1	9,995.00
WS-X45-SUP6-E/2		WS-X45-SUP6-E/2	Cisco	Catalyst 45xxR E-Series Sup 6-E, 2x10GE(X2) w/ Twin Gig	19,995.00	0.00	19,995.00	1	19,995.00
WS-X4548-RJ45V+		WS-X4548-RJ45V+	Cisco	Catalyst 4500 PoE+ Ready 10/100/1000, 48-Port (RJ45)	7,495.00	0.00	7,495.00	1	7,495.00
WS-X4648-RJ45V+E		WS-X4648-RJ45V+E	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	7,495.00	0.00	7,495.00	3	22,485.00
WS-C4510RE-S6-96V+									97,960.00
Infrastructure\High School\Data Closet A									97,960.00
Infrastructure\High School\Data Closet B									
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
Infrastructure\High School\Data Closet B									62,970.00
Infrastructure\High School\Data Closet C									
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
Infrastructure\High School\Data Closet C									31,485.00
Infrastructure\High School\Data Closet D									
WS-C3560G-48PS-S		WS-C3560G-48PS-S	Cisco	Catalyst 3560 48 10/100/1000T PoE + 4 SFP + IPB Image	9,495.00	0.00	9,495.00	1	9,495.00
CAB-16AWG-AC		CAB-16AWG-AC	Cisco	AC Power cord, 16AWG	0.00	0.00	0.00	1	0.00
GLC-SX-MM=		GLC-SX-MM=	Cisco	GE SFP, LC connector SX transceiver	500.00	0.00	500.00	2	1,000.00
WS-C3560G-48PS-S									10,495.00
Infrastructure\High School\Data Closet D									10,495.00
Infrastructure\Sandhill Elementary									
CISCO2921/K9		CISCO2921/K9	Cisco	Cisco 2921 w/3 GE,4 EHWIC,3 DSP,1 SM,256MB CF,512MB DRAM,IPB	3,695.00	0.00	3,695.00	1	3,695.00
ISR-CCP-EXP		ISR-CCP-EXP	Cisco	Cisco Config Pro Express on Router Flash	Included	0.00	0.00	1	0.00
MEM-2900-512MB-DEF		MEM-2900-512MB-DEF	Cisco	512MB DRAM for Cisco 2901-2921 ISR (Default)	Included	0.00	0.00	1	0.00
MEM-CF-256MB		MEM-CF-256MB	Cisco	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	Included	0.00	0.00	1	0.00
PWR-2921-51-AC		PWR-2921-51-AC	Cisco	Cisco 2921/2951 AC Power Supply	Included	0.00	0.00	1	0.00
S29UK9-15001M		S29UK9-15001M	Cisco	Cisco 2901-2921 IOS UNIVERSAL	Included	0.00	0.00	1	0.00
SL-29-IPB-K9		SL-29-IPB-K9	Cisco	IP Base License for Cisco 2901-2951	Included	0.00	0.00	1	0.00
CAB-AC		CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2 1m	0.00	0.00	0.00	1	0.00
CON-SNT-2921		CON-SNT-2921	Cisco	SMARTNET 8X5XNBD Cisco 2921	550.00	0.00	550.00	1	550.00
FL-CME-SRST-100		FL-CME-SRST-100	Cisco	Cisco Communication Manager or SRST- 100 seat license	2,000.00	0.00	2,000.00	1	2,000.00
FL-SRST		FL-SRST	Cisco	Cisco Survivable Remote Site Telephony License	0.00	0.00	0.00	1	0.00
PVDM3-64		PVDM3-64	Cisco	64-channel high-density voice and video DSP module	3,200.00	0.00	3,200.00	2	6,400.00
SL-29-UC-K9		SL-29-UC-K9	Cisco	Unified Communication License for Cisco 2901-2951	700.00	0.00	700.00	1	700.00
VIC2-4FXO		VIC2-4FXO	Cisco	Four-port Voice Interface Card - FXO (Universal)	800.00	0.00	800.00	1	800.00
VIC3-4FXS/DID		VIC3-4FXS/DID	Cisco	Four-Port Voice Interface Card - FXS and DID	800.00	0.00	800.00	2	1,600.00
VVIC3-2MFT-T1/E1		VVIC3-2MFT-T1/E1	Cisco	2-Port 3rd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	2,000.00	0.00	2,000.00	1	2,000.00
CISCO2921/K9									17,745.00

WS-C4510RE-S6-96V+	WS-C4510RE-S6-96V+	Cisco	4510-E Chassis, TwoWS-X4648-RJ45V+E, Sup6-E	30,000.00	0.00	30,000.00	1	30,000.00
CVR-X2-SFP	CVR-X2-SFP	Cisco	Cisco TwinGig Converter Module	Included	0.00	0.00	4	0.00
FR45-ISSU-POE-LIC	FR45-ISSU-POE-LIC	Cisco	Cat4500 ISSU PoE promo. license needs dual sup+48PoEports	Included	0.00	0.00	1	0.00
WS-X45-SUP6-E	WS-X45-SUP6-E	Cisco	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/ Twin Gig	Included	0.00	0.00	1	0.00
WS-X4648-RJ45V+E	WS-X4648-RJ45V+E	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	Included	0.00	0.00	2	0.00
CAB-AC-2800W-TWLK	CAB-AC-2800W-TWLK	Cisco	U.S. Power Cord, Twist Lock, NEMA 6-20 Plug	0.00	0.00	0.00	4	0.00
PWR-C45-6000ACV	PWR-C45-6000ACV	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
PWR-C45-6000ACV/2	PWR-C45-6000ACV/2	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
S45EESK9-12253SG	S45EESK9-12253SG	Cisco	Cisco CAT4500E IOS ENTERPRISE SERVICES SSH	9,995.00	0.00	9,995.00	1	9,995.00
WS-X45-SUP6-E/2	WS-X45-SUP6-E/2	Cisco	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/ Twin Gig	19,995.00	0.00	19,995.00	1	19,995.00
WS-X4648-RJ45V+E	WS-X4648-RJ45V+E	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	7,495.00	0.00	7,495.00	3	22,485.00
WS-C4510RE-S6-96V+								90,465.00
Infrastructure\Sandhill Elementary								108,210.00

<b>Infrastructure\River Bluff Middle School</b>								
CISCO2921/K9	CISCO2921/K9	Cisco	Cisco 2921 w/3 GE,4 EHWIC,3 DSP,1 SM,256MB CF,512MB DRAM,IPB	3,695.00	0.00	3,695.00	1	3,695.00
ISR-CCP-EXP	ISR-CCP-EXP	Cisco	Cisco Config Pro Express on Router Flash	Included	0.00	0.00	1	0.00
MEM-2900-512MB-DEF	MEM-2900-512MB-DEF	Cisco	512MB DRAM for Cisco 2901-2921 ISR (Default)	Included	0.00	0.00	1	0.00
MEM-CF-256MB	MEM-CF-256MB	Cisco	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	Included	0.00	0.00	1	0.00
PWR-2921-S1-AC	PWR-2921-S1-AC	Cisco	Cisco 2921/2951 AC Power Supply	Included	0.00	0.00	1	0.00
S29UK9-15001M	S29UK9-15001M	Cisco	Cisco 2901-2921 IOS UNIVERSAL	Included	0.00	0.00	1	0.00
SL-29-IPB-K9	SL-29-IPB-K9	Cisco	IP Base License for Cisco 2901-2951	Included	0.00	0.00	1	0.00
CAB-AC	CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	0.00	0.00	0.00	1	0.00
CON-SNT-2921	CON-SNT-2921	Cisco	SMARTNET 8X5XNBD Cisco 2921	550.00	0.00	550.00	1	550.00
FL-CME-SRST-100	FL-CME-SRST-100	Cisco	Cisco Communication Manager or SRST- 100 seat license	2,000.00	0.00	2,000.00	1	2,000.00
FL-SRST	FL-SRST	Cisco	Cisco Survivable Remote Site Telephony License	0.00	0.00	0.00	1	0.00
PVDM3-64	PVDM3-64	Cisco	64-channel high-density voice and video DSP module	3,200.00	0.00	3,200.00	2	6,400.00
SL-29-UC-K9	SL-29-UC-K9	Cisco	Unified Communication License for Cisco 2901-2951	700.00	0.00	700.00	1	700.00
VIC2-4FXO	VIC2-4FXO	Cisco	Four-port Voice Interface Card - FXO (Universal)	800.00	0.00	800.00	1	800.00
VIC3-4FXS/DID	VIC3-4FXS/DID	Cisco	Four-Port Voice Interface Card - FXS and DID	800.00	0.00	800.00	2	1,600.00
CISCO2921/K9								15,745.00
WS-C4510RE-S6-96V+	WS-C4510RE-S6-96V+	Cisco	4510-E Chassis, TwoWS-X4648-RJ45V+E, Sup6-E	30,000.00	0.00	30,000.00	1	30,000.00
CVR-X2-SFP	CVR-X2-SFP	Cisco	Cisco TwinGig Converter Module	Included	0.00	0.00	4	0.00
FR45-ISSU-POE-LIC	FR45-ISSU-POE-LIC	Cisco	Cat4500 ISSU PoE promo. license needs dual sup+48PoEports	Included	0.00	0.00	1	0.00
WS-X45-SUP6-E	WS-X45-SUP6-E	Cisco	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/ Twin Gig	Included	0.00	0.00	1	0.00
WS-X4648-RJ45V+E	WS-X4648-RJ45V+E	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	Included	0.00	0.00	2	0.00
CAB-AC-2800W-TWLK	CAB-AC-2800W-TWLK	Cisco	U.S. Power Cord, Twist Lock, NEMA 6-20 Plug	0.00	0.00	0.00	4	0.00
PWR-C45-6000ACV	PWR-C45-6000ACV	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
PWR-C45-6000ACV/2	PWR-C45-6000ACV/2	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
S45EESK9-12253SG	S45EESK9-12253SG	Cisco	Cisco CAT4500E IOS ENTERPRISE SERVICES SSH	9,995.00	0.00	9,995.00	1	9,995.00
WS-X45-SUP6-E/2	WS-X45-SUP6-E/2	Cisco	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/ Twin Gig	19,995.00	0.00	19,995.00	1	19,995.00
WS-X4548-RJ45V+	WS-X4548-RJ45V+	Cisco	Catalyst 4500 PoE+ Ready 10/100/1000, 48-Port (RJ45)	7,495.00	0.00	7,495.00	2	14,990.00
WS-X4648-RJ45V+E	WS-X4648-RJ45V+E	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	7,495.00	0.00	7,495.00	3	22,485.00
WS-C4510RE-S6-96V+								105,455.00
Infrastructure\River Bluff Middle School								121,200.00

<b>Infrastructure\Fox Prairie</b>								
CISCO2921/K9	CISCO2921/K9	Cisco	Cisco 2921 w/3 GE,4 EHWIC,3 DSP,1 SM,256MB CF,512MB DRAM,IPB	3,695.00	0.00	3,695.00	1	3,695.00
ISR-CCP-EXP	ISR-CCP-EXP	Cisco	Cisco Config Pro Express on Router Flash	Included	0.00	0.00	1	0.00
MEM-2900-512MB-DEF	MEM-2900-512MB-DEF	Cisco	512MB DRAM for Cisco 2901-2921 ISR (Default)	Included	0.00	0.00	1	0.00
MEM-CF-256MB	MEM-CF-256MB	Cisco	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	Included	0.00	0.00	1	0.00
PWR-2921-S1-AC	PWR-2921-S1-AC	Cisco	Cisco 2921/2951 AC Power Supply	Included	0.00	0.00	1	0.00
S29UK9-15001M	S29UK9-15001M	Cisco	Cisco 2901-2921 IOS UNIVERSAL	Included	0.00	0.00	1	0.00
SL-29-IPB-K9	SL-29-IPB-K9	Cisco	IP Base License for Cisco 2901-2951	Included	0.00	0.00	1	0.00
CAB-AC	CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	0.00	0.00	0.00	1	0.00
CON-SNT-2921	CON-SNT-2921	Cisco	SMARTNET 8X5XNBD Cisco 2921	550.00	0.00	550.00	1	550.00
FL-CME-SRST-100	FL-CME-SRST-100	Cisco	Cisco Communication Manager or SRST- 100 seat license	2,000.00	0.00	2,000.00	1	2,000.00
FL-SRST	FL-SRST	Cisco	Cisco Survivable Remote Site Telephony License	0.00	0.00	0.00	1	0.00
PVDM3-64	PVDM3-64	Cisco	64-channel high-density voice and video DSP module	3,200.00	0.00	3,200.00	2	6,400.00
SL-29-UC-K9	SL-29-UC-K9	Cisco	Unified Communication License for Cisco 2901-2951	700.00	0.00	700.00	1	700.00
VIC2-4FXO	VIC2-4FXO	Cisco	Four-port Voice Interface Card - FXO (Universal)	800.00	0.00	800.00	1	800.00
VIC3-4FXS/DID	VIC3-4FXS/DID	Cisco	Four-Port Voice Interface Card - FXS and DID	800.00	0.00	800.00	2	1,600.00
VVIC2-2MFT-T1/E1	VVIC2-2MFT-T1/E1	Cisco	2-Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	2,000.00	0.00	2,000.00	1	2,000.00
CISCO2921/K9								17,745.00
WS-C3750X-48PF-S	WS-C3750X-48PF-S	Cisco	Catalyst 3750X 48 Port Full PoE IP Base	14,000.00	0.00	14,000.00	1	14,000.00
C3KX-PWR-1100WAC	C3KX-PWR-1100WAC	Cisco	Catalyst 3K-X 1100W AC Power Supply	Included	0.00	0.00	1	0.00
CAB-SPWR-30CM	CAB-SPWR-30CM	Cisco	Catalyst 3750X Stack Power Cable 30 CM	Included	0.00	0.00	1	0.00
CAB-STACK-50CM	CAB-STACK-50CM	Cisco	Cisco StackWise 50CM Stacking Cable	Included	0.00	0.00	1	0.00
S375XVK9T-12253SE	S375XVK9T-12253SE	Cisco	CAT 3750X IOS UNIVERSAL WITH WEB BASE DEV MGR	Included	0.00	0.00	1	0.00

C3KX-NM-10G	C3KX-NM-10G	Cisco	Catalyst 3K-X 10G Network Module option PID	2,500.00	0.00	2,500.00	1	2,500.00
CAB-3KX-AC	CAB-3KX-AC	Cisco	AC Power Cord for Catalyst 3K-X (North America)	0.00	0.00	0.00	1	0.00
WS-C3750X-48PF-S	WS-C3750X-48PF-S	Cisco	Catalyst 3750X 48 Port Full PoE IP Base	14,000.00	0.00	14,000.00	1	14,000.00
C3KX-PWR-1100WAC	C3KX-PWR-1100WAC	Cisco	Catalyst 3K-X 1100W AC Power Supply	Included	0.00	0.00	1	0.00
CAB-SPWR-30CM	CAB-SPWR-30CM	Cisco	Catalyst 3750X Stack Power Cable 30 CM	Included	0.00	0.00	1	0.00
CAB-STACK-50CM	CAB-STACK-50CM	Cisco	Cisco StackWise 50CM Stacking Cable	Included	0.00	0.00	1	0.00
S375XVK9T-12253SE	S375XVK9T-12253SE	Cisco	CAT 3750X IOS UNIVERSAL WITH WEB BASE DEV MGR	Included	0.00	0.00	1	0.00
C3KX-NM-10G	C3KX-NM-10G	Cisco	Catalyst 3K-X 10G Network Module option PID	2,500.00	0.00	2,500.00	1	2,500.00
CAB-3KX-AC	CAB-3KX-AC	Cisco	AC Power Cord for Catalyst 3K-X (North America)	0.00	0.00	0.00	1	0.00
						WS-C3750X-48PF-S		16,500.00
						InfrastructureFox Prairie		50,745.00
<b>InfrastructureKegonsa Elementary</b>								
CISCO2921/K9	CISCO2921/K9	Cisco	Cisco 2921 w/3 GE, 4 EHWIC, 3 DSP, 1 SM, 256MB CF, 512MB DRAM, IPB	3,695.00	0.00	3,695.00	1	3,695.00
ISR-CCP-EXP	ISR-CCP-EXP	Cisco	Cisco Config Pro Express on Router Flash	Included	0.00	0.00	1	0.00
MEM-2900-512MB-DEF	MEM-2900-512MB-DEF	Cisco	512MB DRAM for Cisco 2901-2921 ISR (Default)	Included	0.00	0.00	1	0.00
MEM-CF-256MB	MEM-CF-256MB	Cisco	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	Included	0.00	0.00	1	0.00
PWR-2921-51-AC	PWR-2921-51-AC	Cisco	Cisco 2921/2951 AC Power Supply	Included	0.00	0.00	1	0.00
S29UK9-15001M	S29UK9-15001M	Cisco	Cisco 2901-2921 IOS UNIVERSAL	Included	0.00	0.00	1	0.00
SL-29-IPB-K9	SL-29-IPB-K9	Cisco	IP Base License for Cisco 2901-2951	Included	0.00	0.00	1	0.00
CAB-AC	CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	0.00	0.00	0.00	1	0.00
CON-SNT-2921	CON-SNT-2921	Cisco	SMARTNET 8XSXNBD Cisco 2921	550.00	0.00	550.00	1	550.00
FL-CME-SRST-100	FL-CME-SRST-100	Cisco	Cisco Communication Manager or SRST- 100 seat license	2,000.00	0.00	2,000.00	1	2,000.00
FL-SRST	FL-SRST	Cisco	Cisco Survivable Remote Site Telephony License	0.00	0.00	0.00	1	0.00
PVDM3-64	PVDM3-64	Cisco	64-channel high-density voice and video DSP module	3,200.00	0.00	3,200.00	2	6,400.00
SL-29-UC-K9	SL-29-UC-K9	Cisco	Unified Communication License for Cisco 2901-2951	700.00	0.00	700.00	1	700.00
VIC2-4FXO	VIC2-4FXO	Cisco	Four-port Voice Interface Card - FXO (Universal)	800.00	0.00	800.00	1	800.00
VIC3-4FXS/DID	VIC3-4FXS/DID	Cisco	Four-Port Voice Interface Card - FXS and DID	800.00	0.00	800.00	2	1,600.00
VVIC3-2MFT-T1/E1	VVIC3-2MFT-T1/E1	Cisco	2-Port 3rd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	2,000.00	0.00	2,000.00	1	2,000.00
WS-C4510RE-S6-96V+	WS-C4510RE-S6-96V+	Cisco	4510-E Chassis, TwoWS-X4648-RJ45V+E, Sup6-E	30,000.00	0.00	30,000.00	1	30,000.00
CVR-X2-SFP	CVR-X2-SFP	Cisco	Cisco TwinGig Converter Module	Included	0.00	0.00	4	0.00
FR45-ISSU-POE-LIC	FR45-ISSU-POE-LIC	Cisco	Cat4500 ISSU PoE promo. license needs dual sup+48PoEports	Included	0.00	0.00	1	0.00
WS-X45-SUP6-E	WS-X45-SUP6-E	Cisco	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/ Twin Gig	Included	0.00	0.00	1	0.00
WS-X4648-RJ45V+E	WS-X4648-RJ45V+E	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	Included	0.00	0.00	2	0.00
CAB-AC-2800W-TWLK	CAB-AC-2800W-TWLK	Cisco	U.S. Power Cord, Twist Lock, NEMA 6-20 Plug	0.00	0.00	0.00	4	0.00
PWR-C45-6000ACV	PWR-C45-6000ACV	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
PWR-C45-6000ACV/2	PWR-C45-6000ACV/2	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	3,995.00
S45EESK9-12253SG	S45EESK9-12253SG	Cisco	Cisco CAT4500E IOS ENTERPRISE SERVICES SSH	9,995.00	0.00	9,995.00	1	9,995.00
WS-X45-SUP6-E/2	WS-X45-SUP6-E/2	Cisco	Catalyst 4500R E-Series Sup 6-E, 2x10GE(X2) w/ Twin Gig	19,995.00	0.00	19,995.00	1	19,995.00
WS-X4648-RJ45V+E	WS-X4648-RJ45V+E	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	7,495.00	0.00	7,495.00	3	22,485.00
						WS-C4510RE-S6-96V+		90,465.00
						InfrastructureKegonsa Elementary		108,210.00
<b>InfrastructureAdministrative Centre</b>								
CISCO2921/K9	CISCO2921/K9	Cisco	Cisco 2921 w/3 GE, 4 EHWIC, 3 DSP, 1 SM, 256MB CF, 512MB DRAM, IPB	3,695.00	0.00	3,695.00	1	3,695.00
ISR-CCP-EXP	ISR-CCP-EXP	Cisco	Cisco Config Pro Express on Router Flash	Included	0.00	0.00	1	0.00
MEM-2900-512MB-DEF	MEM-2900-512MB-DEF	Cisco	512MB DRAM for Cisco 2901-2921 ISR (Default)	Included	0.00	0.00	1	0.00
MEM-CF-256MB	MEM-CF-256MB	Cisco	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	Included	0.00	0.00	1	0.00
PWR-2921-51-AC	PWR-2921-51-AC	Cisco	Cisco 2921/2951 AC Power Supply	Included	0.00	0.00	1	0.00
S29UK9-15001M	S29UK9-15001M	Cisco	Cisco 2901-2921 IOS UNIVERSAL	Included	0.00	0.00	1	0.00
SL-29-IPB-K9	SL-29-IPB-K9	Cisco	IP Base License for Cisco 2901-2951	Included	0.00	0.00	1	0.00
CAB-AC	CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	0.00	0.00	0.00	1	0.00
CON-SNT-2921	CON-SNT-2921	Cisco	SMARTNET 8XSXNBD Cisco 2921	550.00	0.00	550.00	1	550.00
PVDM3-64	PVDM3-64	Cisco	64-channel high-density voice and video DSP module	3,200.00	0.00	3,200.00	2	6,400.00
SL-29-UC-K9	SL-29-UC-K9	Cisco	Unified Communication License for Cisco 2901-2951	700.00	0.00	700.00	1	700.00
VIC2-4FXO	VIC2-4FXO	Cisco	Four-port Voice Interface Card - FXO (Universal)	800.00	0.00	800.00	1	800.00
VVIC2-2MFT-T1/E1	VVIC2-2MFT-T1/E1	Cisco	2-Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	2,000.00	0.00	2,000.00	1	2,000.00
VG224	VG224	Cisco	24 Port Voice over IP analog phone gateway	5,395.00	0.00	5,395.00	1	5,395.00
MEM-224-1X128D-U	MEM-224-1X128D-U	Cisco	128MB DRAM Memory for VG224 (Factory Upgrade)	Included	0.00	0.00	1	0.00
MEM-224-1X64F-U	MEM-224-1X64F-U	Cisco	64MB Flash Memory for VG224 (Factory Upgrade)	Included	0.00	0.00	1	0.00
SVGVG-12422T	SVGVG-12422T	Cisco	Cisco VG200 Series IP SUBSET/VOICE	Included	0.00	0.00	1	0.00
CAB-AC	CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	0.00	0.00	0.00	1	0.00
CON-SNT-VG224	CON-SNT-VG224	Cisco	SMARTNET 8XSXNBD 24 Port Voice over I	432.00	0.00	432.00	1	432.00
						VG224		5,827.00
						InfrastructureAdministrative Centre		19,972.00
<b>Wireless</b>								
AIR-CT5508-50-K9	AIR-CT5508-50-K9	Cisco	5508 Series Controller for up to 50 APs	22,495.00	0.00	22,495.00	1	22,495.00
LIC-CT5508-50	LIC-CT5508-50	Cisco	50 AP Base license	Included	0.00	0.00	1	0.00
LIC-CT5508-BASE	LIC-CT5508-BASE	Cisco	Base Software License	Included	0.00	0.00	1	0.00

AIR-PWR-5500-AC	AIR-PWR-5500-AC	Cisco	Cisco 5500 Series Wireless Controller Redundant Power Supply	1,495.00	0.00	1,495.00	1	1,495.00
AIR-PWR-CORD-NA	AIR-PWR-CORD-NA	Cisco	AIR Line Cord North America	0.00	0.00	0.00	2	0.00
CON-SNT-CT0850	CON-SNT-CT0850	Cisco	SMARTNET 8X5XNBD 5508 Series Controll	1,800.00	0.00	1,800.00	1	1,800.00
GLC-T=	GLC-T=	Cisco	1000BASE-T SFP	395.00	0.00	395.00	2	790.00
SWC5500K9-70	SWC5500K9-70	Cisco	Cisco Unified Wireless Controller SW Release 7.0	0.00	0.00	0.00	1	0.00
AIR-LAP1142N-A-K9	AIR-LAP1142N-A-K9	Cisco	802.11a/g/n Fixed Unified AP; Int Ant; A Reg Domain	995.00	0.00	995.00	60	26,580.00
AIR-AP-BRACKET-2	AIR-AP-BRACKET-2	Cisco	1040/1140/1260/3500 Universal Mounting Bracket	0.00	0.00	0.00	60	59,700.00
AIR-AP-T-RAIL-F	AIR-AP-T-RAIL-F	Cisco	Ceiling Grid Clip for Aironet APs - Flush Mount	0.00	0.00	0.00	60	0.00
S114RK9W-12421JA	S114RK9W-12421JA	Cisco	Cisco 1140 Series IOS WIRELESS LAN LWAPP RECOVERY	0.00	0.00	0.00	60	0.00
							AIR-LAP1142N-A-K9 Wireless	59,700.00
								86,280.00
<b>Hardware Spares</b>								
CISCO2921/K9	CISCO2921/K9	Cisco	Cisco 2921 w/3 GE,4 EHWIC,3 DSP,1 SM,256MB CF,512MB DRAM,IPB	3,695.00	0.00	3,695.00	1	3,695.00
ISR-CCP-EXP	ISR-CCP-EXP	Cisco	Cisco Config Pro Express on Router Flash	Included	0.00	0.00	1	0.00
MEM-2900-512MB-DEF	MEM-2900-512MB-DEF	Cisco	512MB DRAM for Cisco 2901-2921 ISR (Default)	Included	0.00	0.00	1	0.00
MEM-CF-256MB	MEM-CF-256MB	Cisco	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	Included	0.00	0.00	1	0.00
PWR-2921-51-AC	PWR-2921-51-AC	Cisco	Cisco 2921/2951 AC Power Supply	Included	0.00	0.00	1	0.00
S29UK9-15001M	S29UK9-15001M	Cisco	Cisco 2901-2921 IOS UNIVERSAL	Included	0.00	0.00	1	0.00
SL-29-IPB-K9	SL-29-IPB-K9	Cisco	IP Base License for Cisco 2901-2951	Included	0.00	0.00	1	0.00
CAB-AC	CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	0.00	0.00	0.00	1	0.00
VIC2-4FXO	VIC2-4FXO	Cisco	Four-port Voice Interface Card - FXO (Universal)	800.00	0.00	800.00	1	800.00
VIC3-4FXS/DID	VIC3-4FXS/DID	Cisco	Four-Port Voice Interface Card - FXS and DID	800.00	0.00	800.00	1	800.00
VVIC2-2MFT-T1/E1	VVIC2-2MFT-T1/E1	Cisco	2-Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1	2,000.00	0.00	2,000.00	1	2,000.00
PWR-C45-6000ACV=	PWR-C45-6000ACV=	Cisco	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	3,995.00	0.00	3,995.00	1	7,295.00
WS-X4648-RJ45V+E=	WS-X4648-RJ45V+E=	Cisco	Catalyst 4500 E-Series 48-Port PoE+ Ready 10/100/1000(RJ45)	7,495.00	0.00	7,495.00	1	3,995.00
							Hardware Spares	18,785.00
<b>ASA Firewall</b>								
ASA5510-SEC-BUN-K9	ASA5510-SEC-BUN-K9	Cisco	ASA 5510 Security Plus Appl with SW, HA, 2GE+3FE, 3DES/AES	4,495.00	0.00	4,495.00	1	4,495.00
ASA-VPN-CLNT-K9	ASA-VPN-CLNT-K9	Cisco	Cisco VPN Client Software (Windows, Solaris, Linux, Mac)	Included	0.00	0.00	1	0.00
ASA5500-ENCR-K9	ASA5500-ENCR-K9	Cisco	ASA 5500 Strong Encryption License (3DES/AES)	Included	0.00	0.00	1	0.00
ASA5510-SEC-PL	ASA5510-SEC-PL	Cisco	ASA 5510 Security Plus License w/ HA, GE, more VLANs + conns	Included	0.00	0.00	1	0.00
SF-ASA-8.2-K8	SF-ASA-8.2-K8	Cisco	ASA 5500 Series Software v8.2	Included	0.00	0.00	1	0.00
SSM-BLANK	SSM-BLANK	Cisco	ASA/IPS SSM Slot Cover	Included	0.00	0.00	1	0.00
CAB-AC	CAB-AC	Cisco	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	0.00	0.00	0.00	1	0.00
CON-SNT-AS1SBK9	CON-SNT-AS1SBK9	Cisco	SMARTNET 8X5XNBD ASA5510 Sec+ w/150 VPN Prs,5FE,3DES/AES	539.00	0.00	539.00	1	539.00
ASA5510-SEC-PL=	ASA5510-SEC-PL=	Cisco	ASA 5510 Security Plus License w/ HA, GE, more VLANs + conns	1,200.00	0.00	1,200.00	1	5,034.00
							ASA5510-SEC-BUN-K9	1,200.00
							ASA Firewall	6,234.00
UCS-C210M1-VCD1	UCS-C210M1-VCD1	Cisco	Bare Metal UCS C210M1 Svr.,2xE5540 CPU,12GB RAM,6x146GB HDD	16,500.00	0.00	16,500.00	2	33,000.00
UC-CAB-N5K6A-NA	UC-CAB-N5K6A-NA	Cisco	Power Cord, 200/240V 6A North America	0.00	0.00	0.00	4	0.00
VMW-UC-STD-K9-1A	VMW-UC-STD-K9-1A	Cisco	VMware ESXi 4.0 Standard (2 CPU), 1 yr support required	2,980.00	0.00	2,980.00	2	5,960.00
CON-UCS7-UCSC210M	CON-UCS7-UCSC210M	Cisco	24x7x4 (Onsite) - Support (UCS7) UCS-C210M1-VCD2	724.00	0.00	724.00	1	1,448.00
CON-ISOV1-UCSTD1A	CON-ISOV1-UCSTD1A	Cisco	ISOV 24x7 VMware vSphereESXi 4.0 Std,2 CPU,1yr sup	875.00	0.00	875.00	1	875.00
CP-7965G=	CP-7965G=	Cisco	Cisco UC Phone 7965, Gig Ethernet, Color, spare	595.00	0.00	595.00	13	41,283.00
CP-7916=	CP-7916=	Cisco	7916 UC Phone Grayscale Expansion Module	495.00	0.00	495.00	13	7,335.00
CP-SINGLFOOTSTAND=	CP-SINGLFOOTSTAND=	Cisco	Footstand kit for single 7914, 7915, or 7916	33.00	0.00	33.00	13	6,435.00
CP-7942G=	CP-7942G=	Cisco	Cisco UC Phone 7942, spare	370.00	0.00	370.00	376	429.00
CP-7945G=	CP-7945G=	Cisco	Cisco UC Phone 7945, Gig Ethernet, Color, spare	465.00	0.00	465.00	48	139,120.00
CP-LCKNGWALLMNT2=	CP-LCKNGWALLMNT2=	Cisco	Universal Locking Wallmount Kit for 7900 Series IP Phones	465.00	0.00	465.00	24	22,320.00
CP-PWR-CUBE-3=	CP-PWR-CUBE-3=	Cisco	Cisco Unified IP Phone Power Cube	31.00	0.00	31.00	13	744.00
CUWL-LIC	CUWL-LIC	Cisco	CUWL Top Level	0.00	0.00	0.00	1	585.00
LIC-UWL-STD-SLED	LIC-UWL-STD-SLED	Cisco	Unified Workspace Licensing STD, 1 User Govt/Edu	325.00	0.00	325.00	440	177,368.00
UCSS-UWL-STD1	UCSS-UWL-STD1	Cisco	1-Yr UWL STD UCSS for Govt/Edu Only	35.00	0.00	35.00	440	0.00
ANLG-DEV-UWL	ANLG-DEV-UWL	Cisco	Analog, non-app device add-on for UWL	40.00	0.00	40.00	52	15,400.00
UCSS-ANLG-1-1	UCSS-ANLG-1-1	Cisco	UCSS for UCM analog user for One Year - 1 user	3.00	0.00	3.00	52	2,080.00
UPC8-CLIENT-UWL	UPC8-CLIENT-UWL	Cisco	Unified Personal Communicator 8 x for CUWL only	0.00	0.00	0.00	440	155.00
UCM-7845-71-UWL	UCM-7845-71-UWL	Cisco	CUCM 7.1 7845 for CUWL only	0.00	0.00	0.00	1	0.00
IME-7845-80	IME-7845-80	Cisco	IME 8.0 7845	0.00	0.00	0.00	1	0.00
UNITYCN8-USR	UNITYCN8-USR	Cisco	One Unity Connection 8.x User - All user Features	75.00	0.00	75.00	6	450.00
UNITYCN8-VMWARE	UNITYCN8-VMWARE	Cisco	Unity Connection 8.x for VMWare	0.00	0.00	0.00	1	0.00
CUP-80-UWL	CUP-80-UWL	Cisco	Cisco Unified Presence 8.0 for CUWL only	0.00	0.00	0.00	1	0.00
CON-ESW-CUWLLIC	CON-ESW-CUWLLIC	Cisco	ESSENTIAL SW CUWL Top Level-See Svc on Components	0.00	0.00	0.00	1	0.00
CON-ESW-STD-SLED	CON-ESW-STD-SLED	Cisco	ESSENTIAL SW Unified Workspace Licensing STD, 1 User	0.00	0.00	0.00	440	0.00
CON-ESW-DEVUWL	CON-ESW-DEVUWL	Cisco	ESSENTIAL SW Analog, non-app device add-on for UWL	0.00	0.00	0.00	52	0.00
CON-ESW-UNCN8R	CON-ESW-UNCN8R	Cisco	ESSENTIAL SW One Unity Con8.x User - All user Features	8.00	0.00	8.00	6	48.00
CON-ESW-SSLEDA	CON-ESW-SSLEDA	Cisco	ESSENTIAL SW Services Mapping SKU, Under 1K UWL STD	21.00	0.00	21.00	440	9,240.00
							UC Licensing	170,374.00
							Total(US Dollar)	1,410,088.00



(5) the committed school or library resources available to implement the entire Applicant Wireless Program, including whether those funds are from the school or library's general budget or from an outside funding source;

*The Stoughton Area School District has made a large financial commitment toward the success of this program by passing the spring 2010 referendum which provided over \$700,000 for a replacement of the CAN Core Infrastructure. The community organization has identified the needs and will be raising funds from a variety of sources.*

(6) the effect EDU2011 support for off-premise connectivity is likely to have upon the school's or library's projects;

*Research has shown when all students have access to educational and learning resources, all students can achieve at the same high levels. Our community strongly believes we need to support all children with educational and technical resources to be successful. In the November 2010 issue of Educational Leadership, an article was shared with the community organization entitled, "Opening Digital Doors" by Donna DeGennaro. In the article, it demonstrated how family would learn and work together with school districts to understand the powerful use of technology with wireless access. (A summary is available in a short eight minute video at <http://vimeo.com/5115492>). The community organization has found a technology implementation model which will help provide the educational and learning resources necessary for students to be successful.*

*Our schools would benefit from the ability of our student to access educational information and resources when they are ready and able to learn. Have the district and public libraries actively involved in the planning process have provided more opportunities for the both organizations to research out to the community to promote live long learning.*

(7) an analysis of the cost-effectiveness of the current or planned Applicant Wireless Program as compared to the use of other types of technology that would also meet the Program's objectives;

*Our district has several areas without the community where residents are unable to receive DSL, satellite, or cell service. This opportunity would provide access for all individuals.*

(8) any relevant technology planning documents and, if applicable, a statement of long-term objectives for the Program;

*The last strategic plan was created over ten years ago. Working with all stakeholders within the community, district has begun the Strategic Planning process. Meeting times have been established and committees are being formed to review, revise, and develop new goals, plans, and initiatives.*

*The teaching and learning component of the district has been working to improve student achievement through a nationally recognize initiative Integrated Comprehensive Service Plan. Over the last six years, student dropout rate has dropped from over 50 students to less than 5 students per year. All student achievement has risen greatly and the graduation rate for all*

*students is above 94%. We are continuing to build upon the ICS program which has been recognized nationally as a model for all schools.*

*The district is also gathering information to update the Information, Literacy, and Technology (IL&T) Plan. This plan supports all students learning initiatives and is being aligned with the new district strategic plan. One of the goals in the IL&T plan is to provide access for students to educational and learning resource. The community organization has worked to provide access to students through the public library, senior center, and youth center. All residences have benefited from additional access to Internet resources.*

*Both the community organization and the school district are working together to provide high quality professional development and training for all residences. We are continuing to reach out to high education to provide learning opportunities within our community.*

(9) a description of the specific measures taken, or that will be taken, to ensure compliance with the Children's Internet Protection Act and measures to protect against waste, fraud, and abuse; and

*Since the introduction of the Children's Information Protection Act (CIPA) Stoughton Area School District has not taken funds to filter content. It has been the communities belief that student need to understand the proper etiquette when working on the Internet. Students that come across materials that are obscene, child pornography, and or harmful to minors, the community has supported the initiative of local institutions to educate the students about the inappropriateness of the material. Community involvement and the education of students understanding the appropriateness of materials has been very empowering for student. Students have an important stake in their education at Stoughton because they are taught to understand the appropriateness of materials.*

*Currently, our users need to have a username and password to access the wireless system. If users outside the school district require access, a system is in place to grant access. The new layer switches that are being installed will have the ability to establish automatic notification when unusual traffic appears on the network. We will be able to run report to educate our community of the expected etiquette to be used on the network and address the users when the community established etiquette has been compromised.*

(10) a description of internal policies and enforcement procedures governing acceptable use of the wireless devices used in the Program off the school or library's premises.

*On December 16<sup>th</sup>, the Internet and Device Policy was reviewed. The School Board policy Committee needs to review the revisions a second time prior to presenting it to the full school board. Below is the tentative policy.*

#### **717.00 INTERNET AND DEVICE USAGE (Adopted 8/19/96; Revised 4/17/00, 6/7/04, 9/05/06)**

The Stoughton Area School District is committed to the appropriate use of the Internet and other resource devices to provide communications with the learning community, support delivery of the curriculum, provide challenging learning opportunities for students, and conduct District business.

The Internet is a global network containing some material which may be considered unsuitable in a school setting. The Stoughton Area School District believes access to information is critical to education. The District does not guarantee that information found on the Internet is entirely accurate, authoritative, factual, timely, or useful for user purposes, nor does the availability of networked information constitute the District's endorsement of its content. Faculty and administrators will provide students and staff with guidance and skills needed to use the Internet and devices in ways appropriate to their educational needs and personal safety.

The Stoughton Area School District does not guarantee that any telecommunication, whatever the format, will be private. This policy serves as notice to staff and students that the Superintendent/Designee, working with the Information Technology Director, may at any time, without notice and without the user's expressed permission, search individual telecommunications records and home directories, and take appropriate action as needed. The Stoughton Area School District systems operators have the authority to search, maintain, and revise the District's network systems.

The Stoughton Area School District also recognizes the value personal technology devices (PTD) add to the educational experience of all students as well as aid in improving communication with parents. The use of PTD and other emerging technologies are permitted by students. Such possession or use of the PTD will include

1. expanded individual access to educational resources,
2. the enhancement of the educational process in the school district, and an
3. understanding and practicing appropriate Internet and network etiquettes by the user.

Users are responsible for adhering to District use policies, guidelines and procedures. Users who bring PTD do so at their own risk. Users shall be responsible for their equipments' own maintenance, updating of software, and not hold the district responsible for the damage and/or loss of the PTD which they choose to bring to school. Illegal use of telecommunications and/or personal technology devices may also be subject to prosecution by local, state, or federal authorities.

As new and emerging technologies are adopted, staff and students are expected to apply established rights and responsibilities to those new technologies.

Legal Reference: Sections 118.0001, 118.258, 943.70(2), 947.012, and 947.0125 Wisconsin Statutes

*Required Information.* The applications filed by schools also must contain the following information: (1) the location of the schools and community buildings affected ;

Stoughton Area School District	Stoughton Community
Administrative & Educational Services Center 320 North Street, Stoughton, WI 53589	Stoughton Hospital 900 Ridge Street, Stoughton, WI 53589
Fox Prairie Elementary 1601 West South Street, Stoughton, WI 53589	Skaalen Retirement Home 400 North Morris Street, Stoughton, WI 53589
Kegonsa Elementary 1400 Vernon Street, Stoughton, WI 53589	Nazareth House 814 Jackson Street, Stoughton, WI 53589
Sandhill Elementary 1920 Lincoln Avenue, Stoughton, WI 53589	City of Stoughton, Fire Depart, and EMS, 381 E Main Street, Stoughton, WI 53589
River Bluff Middle School 235 N Forrest Street, Stoughton, WI 53589	Stoughton Public Library 304 S. Fourth Street, Stoughton, WI 53589
Stoughton High School 600 Lincoln Avenue, Stoughton, WI 53589	Stoughton Public Safety Building 321 S Fourth Street, Stoughton, WI 53589
Bus Garage 600 Mandt Park Road, Stoughton, WI 53589	Stoughton Senior Center 248 W Main Street, Stoughton, WI 53589
District Maintenance Shop 400 North Street, Stoughton, WI 53589	Stoughton Municipal Utilities 600 S Fourth Street, Stoughton, WI 53589

	St Ann School 324 N Harrison Street, Stoughton, WI 53589
	Martin Luther School 900 W Wilson, Stoughton, WI 53589

(2) the name of the school applicant, along with a complete list of the individual schools that will be served, including their billed entity numbers;

*Please see the list above. The district has apply for E-Rate under the entity number of 133003*

(3) a description of the school district or school, including the type of school, such as private, public, charter, or other special type of school;

*St Ann's and Martin Luther School are both private schools. In the above chart, we have also included the local hospital, assisted living facilities, city hall, public library, and public utilities buildings which are all included in the community organization. As mentioned above, we all share fiber between all of these building.*

(4) a description of the Program's curriculum objectives, the grade levels included, and the number of students and teachers involved and/or being served as part of the program; and

*We have 5 public school and 2 private schools which serve over 3,500 students and employees over 275 teachers. The district and private schools are currently working together to align the curriculum to better measure students growth. The district is created a data warehouse to store all the information. As part of the technology plan, the collection of school is working on developing common standard goal in which all student will be measured by.*

(5) a summary of any data collected by the school on Program outcomes and achievement of Program objectives.

*As the new Director of Information & Communication Systems, I am working with all stakeholder to collect the necessary data to ensure the success of the project. However, we are still in the meeting stages pending funding. As with the community supported fiber throughout the community project, all stakeholders are working with in their budgets to provide the necessary data to achieve success for our students.*

Applicants must also apply for E-rate funding by following the regular E-rate program rules. Specifically, in addition to the information requested above, eligible schools and libraries must submit an FCC Form 471 application to USAC during the regular application window. We direct applicants to file an FCC Form 471 application specifically for the wireless connectivity services to be used off-premises as part of the program for which the applicant is seeking funding and file a separate FCC Form 471 for any services to be used on premises. Applicants should type "EDU2011" in the form identifier field of the FCC Form 471 application for the wireless connectivity services to be used off-premises. Applicants should also list all of the schools and/or libraries that will be receiving the off-site wireless connectivity services in Block 4 of the FCC Form 471 application. Because potential applicants will most likely already be using portable wireless devices in their school or library, applicants may have an established relationship with a service provider. Therefore, the Commission has waived, to the extent

necessary, the applicable sections of the Commission's E-rate competitive bidding rules for those EDU2011 pilot program applicants that have already entered into legally binding agreements with service providers for off-premises connectivity for portable wireless devices.[4]

The Wireline Competition Bureau (Bureau) will notify applicants and USAC when it has selected applicants to participate in the EDU2011 program. Selected applicants will receive the allotted connectivity support and will not be required to cost-allocate the dollar amount of support for the time that portable devices are not on school or library premises.[5] Applicants will receive funds sufficient to cover the amount of connectivity expenses eligible for E-rate funding based on their discount; they will still be required to pay their non-discount share. After the one-year trial period, participants will be required to submit a report to the Bureau describing in detail any data collected as a result of the program and a narrative describing lessons learned from the program, which may assist other schools and libraries desiring to adopt similar programs in the future.

#### EDU2011 Application Filing Procedures:

Eligible schools and libraries may submit their applications either (1) by using the Commission's Electronic Comment Filing System (ECFS) or (2) by filing paper copies. **All applications submitted as part of the EDU2011 pilot program must refer to WC Docket No. 10-222.**

- Electronic Filers: Applications may be filed electronically using the Internet by accessing the ECFS: <http://fjallfoss.fcc.gov/ecfs2/>.
- Paper Filers: Filings can be sent by hand or messenger delivery, by commercial overnight courier, or by first-class or overnight U.S. Postal Service mail. All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.
- All hand-delivered or messenger-delivered paper filings for the Commission's Secretary must be delivered to FCC Headquarters at 445 12<sup>th</sup> St., SW, Room TW-A325, Washington, DC 20554. The filing hours are 8:00 a.m. to 7:00 p.m. All hand deliveries must be held together with rubber bands or fasteners. Any envelopes must be disposed of before entering the building.
- Commercial overnight mail (other than U.S. Postal Service Express Mail and Priority Mail) must be sent to 9300 East Hampton Drive, Capitol Heights, MD 20743.
- U.S. Postal Service first-class, Express, and Priority mail must be addressed to 445 12<sup>th</sup> Street, SW, Washington DC 20554.

Eligible schools and libraries may also send a courtesy copy of their filing via email to [EDU2011pilot@fcc.gov](mailto:EDU2011pilot@fcc.gov) or by mail to Regina Brown, Telecommunications Access Policy Division, Wireline Competition Bureau, Federal Communications Commission, 445 12<sup>th</sup> Street,

S.W., Room 5-A360, Washington, D.C. 20554 or Rebekah Bina, Telecommunications Access Policy Division, Wireline Competition Bureau, Federal Communications Commission, 445 12<sup>th</sup> Street, S.W., Room 5-B521, Washington, D.C. 20554.

For further information, please contact Regina Brown or Rebekah Bina, Wireline Competition Bureau at (202) 418-7400 `begin_of_the_skype_highlighting` (202) 418-7400 `end_of_the_skype_highlighting` or TTY (202) 418-0484.

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[1] *See Schools and Libraries Universal Service Support Mechanism, A National Broadband Plan For Our Future*, CC Docket No. 02-6, GN Docket No. 09-51, Sixth Report and Order, FCC 10-175 (rel. Sept. 28, 2010) (*Schools and Libraries Sixth Report and Order*).

[2] *Id.* at paras. 44-50.

[3] For example, a school or library that had developed a detailed, specific plan for such a project but had not started implementation due to lack of funding would be eligible.

[4] *Schools and Libraries Sixth Report and Order* at para. 47; 47 C.F.R. § 54.504 (2009).

[5] This funding only relates to support for wireless, off-premises connectivity service, and not the purchase of devices or equipment, such as mobile broadband cards, smartphones, or digital textbooks. *Schools and Libraries Sixth Report and Order* at paras. 46, 50.